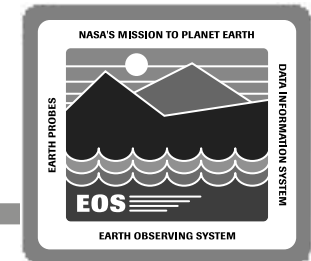


Audit Plan for FOS Release A

Tom Kehoe

21 October 1996

FOS CSR Roadmap



Overview Material

FOS Overview

- CSR Objectives
- FOS Status & Schedule

TRR Action Item Summary

- Review each TRR action item
- Present status of each

FOS System Status

FOS Release A Summary

- Release A Capabilities
- System Enhancements

FOS System Process Flows

- Test Procedure update
- Requirements check-off
- Build & Delivery
- NCR

EOC Installation Status

- Hardware status
- COTS status
- Open items

FOS Dry-Run Phase

Dry-Run Test Results

- Dry-Run Test Status
- Dry-Run Requirements Status
- Technical Issues and Liens

FOS Acceptance Test Phase

Acceptance Test Plans

- EOC test environment
- EOC test activities
- EOC test process

Audits

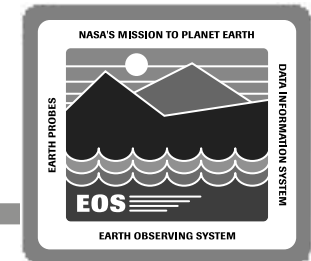
- VDD
- PCA and FCA

FOS Next Steps

Post-Acceptance Test

- External Eng'g Tests
- ECT #1
- IST Delivery

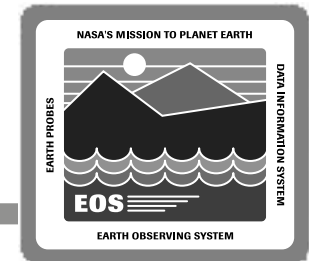
Audit Objectives



- **Examine “as built” ECS configuration to assure it conforms to Release A design documentation. (Physical Configuration Audit)**
- **Evaluate functional characteristics of the ECS system to assure it meets design requirements specified in contract*. (Functional Configuration Audit)**
- **Certify that hardware and software configuration audited is configured in accordance with Product (Release A) Baseline**
- **Prepare DD 250 equivalent for government signature accepting Product (Release A) Baseline at Release Readiness Review**

*** RbR, IRDs and Level 4's**

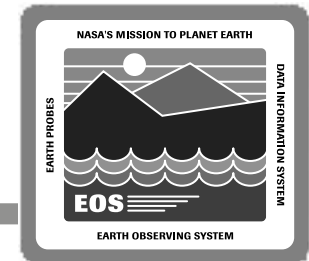
Scope



PCA and FCA will be conducted preceding Release Readiness Review:

- **Project-level Audit Team formed under leadership of CMO to:**
 - **Coordinate procedures internally and then with government representatives to assure participation.**
 - **Distribute documentation internally and to sites prior to audits to facilitate review**
 - **Conduct required audits**
- **Process coordinated by CMO with input project-wide**
- **PCA will precede FCA due to ongoing nature of Acceptance Tests**

Scope (cont.)



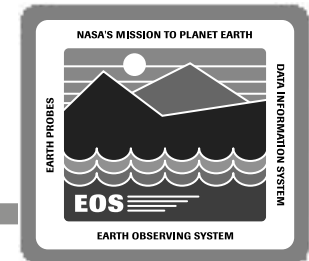
Groundrules

- **Mil-Std 973 used as guideline**
- **Completed by RRR; briefed at RRR**
- **Final reports (per CDRL 506) at RRR + 30 days**

Review and Approval Procedures

- **Each review concludes with participants certifying configuration audited:**
 - **Conforms to Product Baseline; or**
 - **Conforms to Product Baseline upon resolution of specified problems; or**
 - **Does Not conform to Product Baseline**
- **Results presented at RRR with signing of DD-250 equivalent**

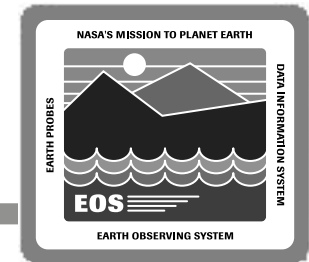
Process - PCA



Physical Configuration Audit

- **Conducted at EOC by Audit Team**
- **Preliminary Version Description Document used for software**
- **FOS White paper includes:**
 - **Network diagram**
 - **COTS hardware tables**
 - **COTS hardware to COTS software mapping**
- **Procedures:**
 - **Entrance briefing**
 - **Inspect site configuration; write up any non-conformances**
 - **Breakout into engineering, configuration, and quality sub-teams to consider non-conformance reports**
 - **Concludes with summary briefing of any unresolved non-conformances; signing of certificate**

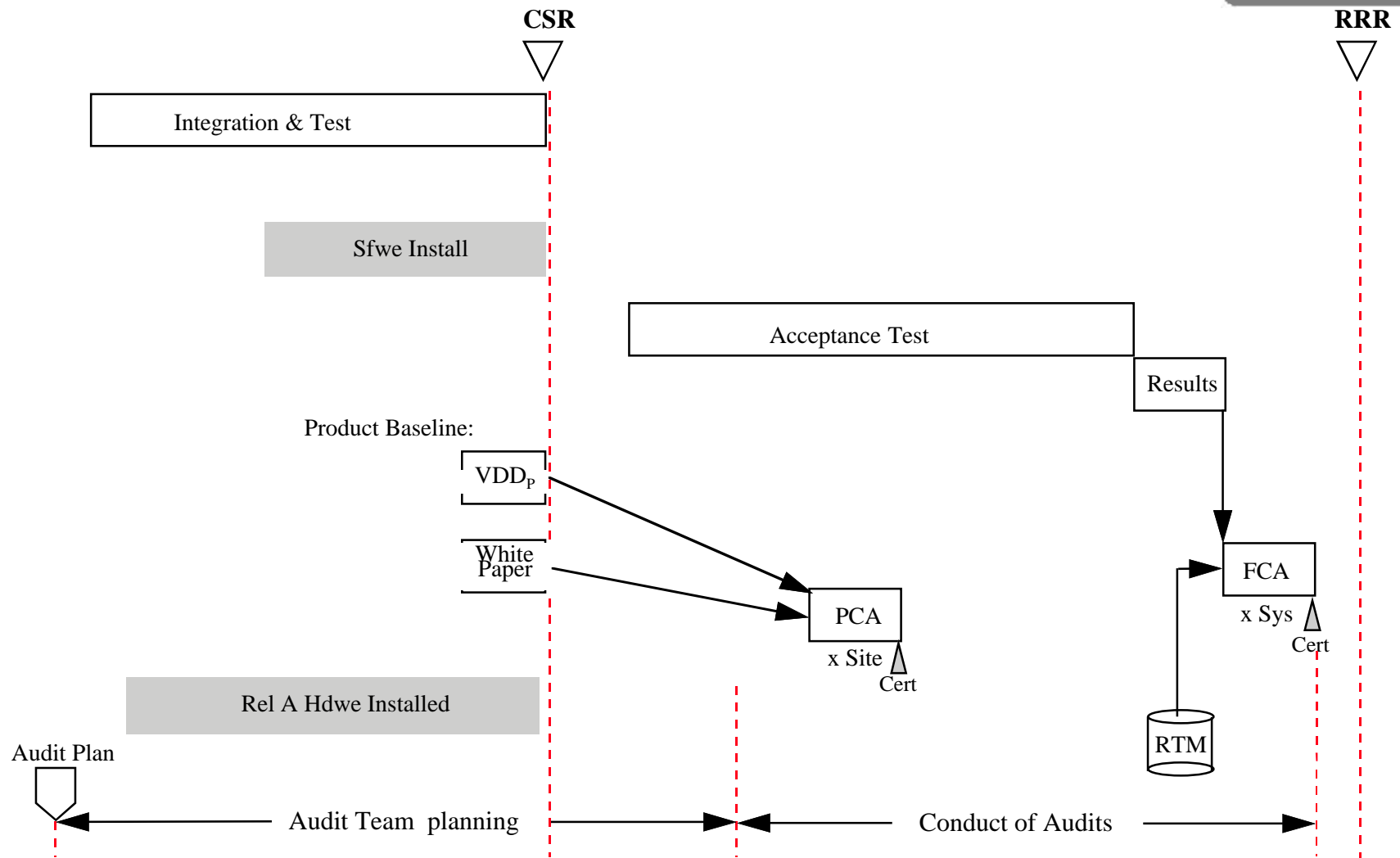
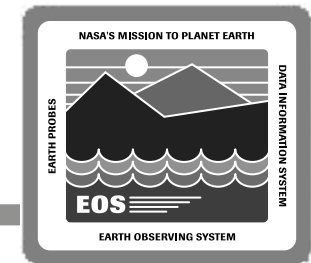
Process - FCA



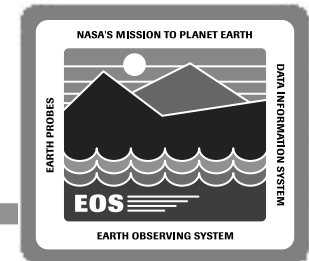
Functional Configuration Audits (conducted after AT are complete):

- **Conducted at system level at Landover**
- **Review Acceptance Test results**
- **Team procedures as with PCAs**
- **FCA will include update on PCA results**

Shown Schematically



Summary



PCA's: "As Built" to Design Documentation

- **VDD (Prelim) and FOS White Paper used to define Product Baseline**
- **Precedes FCA due to on-going Acceptance Testing**

FCA: Functional Characteristics : Contractual Requirements

- **Acceptance Test results**
- **RbR, IRDs and Level 4's**

Audit Team

- **Project-wide participation**
- **CMO lead**

Audits include

- **Certification process**
- **DD 250 equivalent**